SYSTEM 4*xi*
PROJECTOR COMMUNICATIONS KIT

ATTENTION!

PLEASE READ THIS DOCUMENT FOR IMPORTANT INSTALLATION INSTRUCTIONS

THIS KIT HAS BEEN SHIPPED WITH THE FOLLOWING COMPONENTS:

Kit Type: SHARP

Included Communications Adapter(s):

Quantity	Part Number	Description
1	26-426-01	ADP, SHARP IR
1	26-467-01	ADP, UNV, “A”

THE TABLE BELOW LISTS THE POSSIBLE CONFIGURATION(S) AND CORRESPONDING COMMUNICATIONS ADAPTER(S) FOR YOUR PROJECTOR MANUFACTURER’S VARIOUS MODELS. **PLEASE NOTE THAT YOUR SWITCHER HAS BEEN CONFIGURED AS INDICATED BY THE “✔” IN THE “CONFIG AS” COLUMN.** IF YOUR PROJECTOR MODEL **DIFFERS** FROM THIS CONFIGURATION, YOU **MUST** RECONFIGURE YOUR SWITCHER WITH THE CORRECT SETTINGS.

PLEASE REFER TO THE FOLLOWING PAGES FOR COMPLETE CONFIGURATION AND SIGNAL CONNECTION INSTRUCTIONS.

THIS SWITCHER HAS BEEN CONFIGURED FOR: SHARP XG SERIES (RS-232)

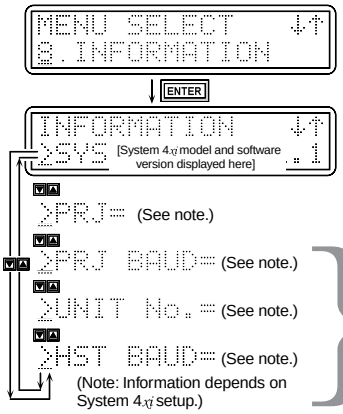
CONFIG AS	MODEL	SW1				SW2	SW3	SW4	SW5	SW6	PROJ CABLE	COMM ADAPTER
		1	2	3	4							
	XG-E1200U	off	on	off	on	0	0	3	F	0	J15	26-426-01
	XG-1000/E1100	off	on	off	on	0	0	3	F	0	J15	26-426-01
✔	XG (RS-232)	off	on	off	on	0	0	9	F	0	J15	26-467-01
	XG-NV6/NV2U/NV5	off	on	off	on	0	0	9	F	1	J15	26-467-01
	XG-NV3	off	on	off	on	0	0	9	F	0	J15	26-467-01
	XG-P10XU	off	on	off	on	0	0	9	F	1	J15	26-467-01
	PG-C30XU	off	on	off	on	0	0	9	F	1	J15	26-467-01
	XG-P20XU	off	on	off	on	0	0	9	F	0	J15	26-467-01

Connecting System 4*xi* to Sharp XG Series Projector (RS-232)

Please follow the steps below to properly install the Sharp LCD projector.

*Important note! Some Sharp LCD projector Computer Input ports require an RGB signal between VGA and XGA rates. You will **not** be able to install the System **4LQxi** with some projector models. Consult your Sharp manual for maximum input resolution.*

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sharp projector. Apply power to the System 4*xi* and do the following:



a. Press [MENU] to display the MENU SELECT on the LCD screen.

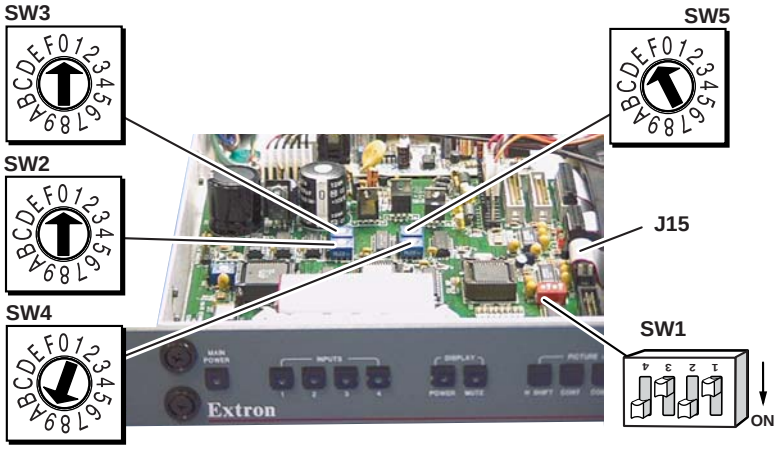
b. Press [▼] or [▲] to step to Menu 8.

c. Press [ENTER] to select this menu.

d. Press [▼] or [▲] to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
PRJ = SHRP232
PRJ BAUD = 9600
UNIT No. = 000
HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4xi Series User's Manual* to remove the System 4*xi* cover. Then go to page 2-4 and refer to the configuration below to set up the Main Controller board. Continue with Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
✔	Sharp XG (RS-232)	off-on-off-on	0	0	9	F	0	J15	26-467-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.

*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

5. The Universal Comm Adapter (26-467-01) is a 9-pin D male - 9-pin D female connector that accommodates the Comm Extension cable. Plug the female end of this adapter into the PC Control port of the Sharp projector.

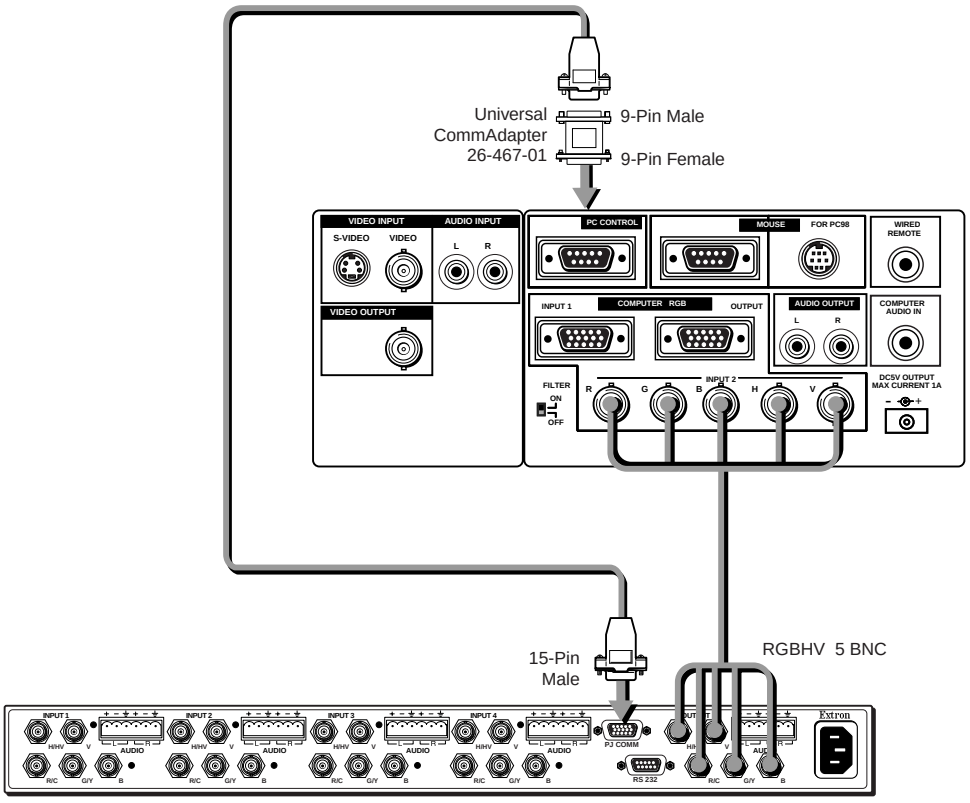
6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4*xi*. The other end of the cable has a 9-pin female connector. Plug this end into the 9-pin male D connector on the Universal Comm adapter.

Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) BNC-4 or 5 cable onto the System 4*xi* output and those on the other end into the Computer RGB Input port (Input 2) of the projector.

System 4*xi* Series – Sharp XG Series Projector Connections (RS-232 control)

Use the illustration below as a guide when connecting the System 4*xi* to a Sharp Series projector. Refer to Sharp documentation to continue the installation.



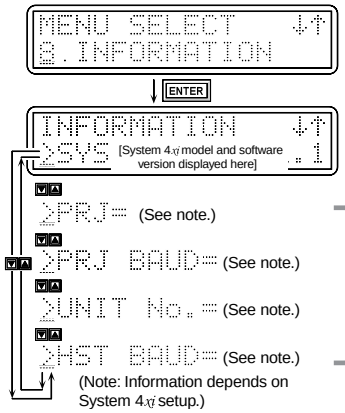
When RS-232 control of the projector is used, the projector's IR remote can be used. However, because the projector's IR remote does not communicate with the System 4xi switcher, the projector and switcher can become out-of-sync if the projector's IR remote is used to change the projector's input, picture mute or power settings. Should this occur, press the power, mute or channel buttons on the switcher to allow the projector and switcher to resynchronize.

In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.

Connecting System 4*xi* to Sharp XG1000 LCD or E1100 LCD Projector

If the System 4*xi* is already configured for a Sharp XG1000 or E1100 projector, **go to step 4**. If it is not set up correctly, it will be necessary to change switch settings on the System 4*xi* 's Main Controller Board. Begin at Step 1 to verify the correct configuration.

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sharp projector. Apply power to the System 4*xi* and do the following:



a. Press MENU to display the MENU SELECT on the LCD screen.

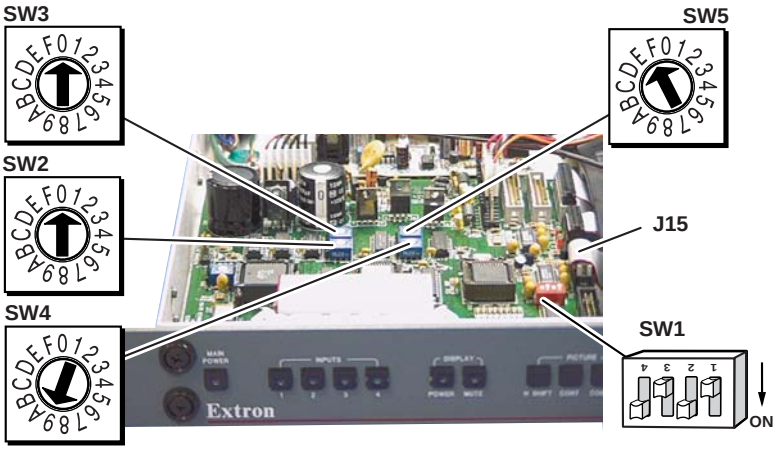
b. Press ▼ or ▲ to step to Menu 8.

c. Press ENTER to select this menu.

d. Press ▼ or ▲ to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
PRJ = SHARP
PRJ BAUD = n/a
UNIT No. = 000
HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 to remove the System 4*xi* cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
	Sharp XG1000 and E1100	off-on-off-on	0	0	3	F	0	J15	26-426-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.

*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

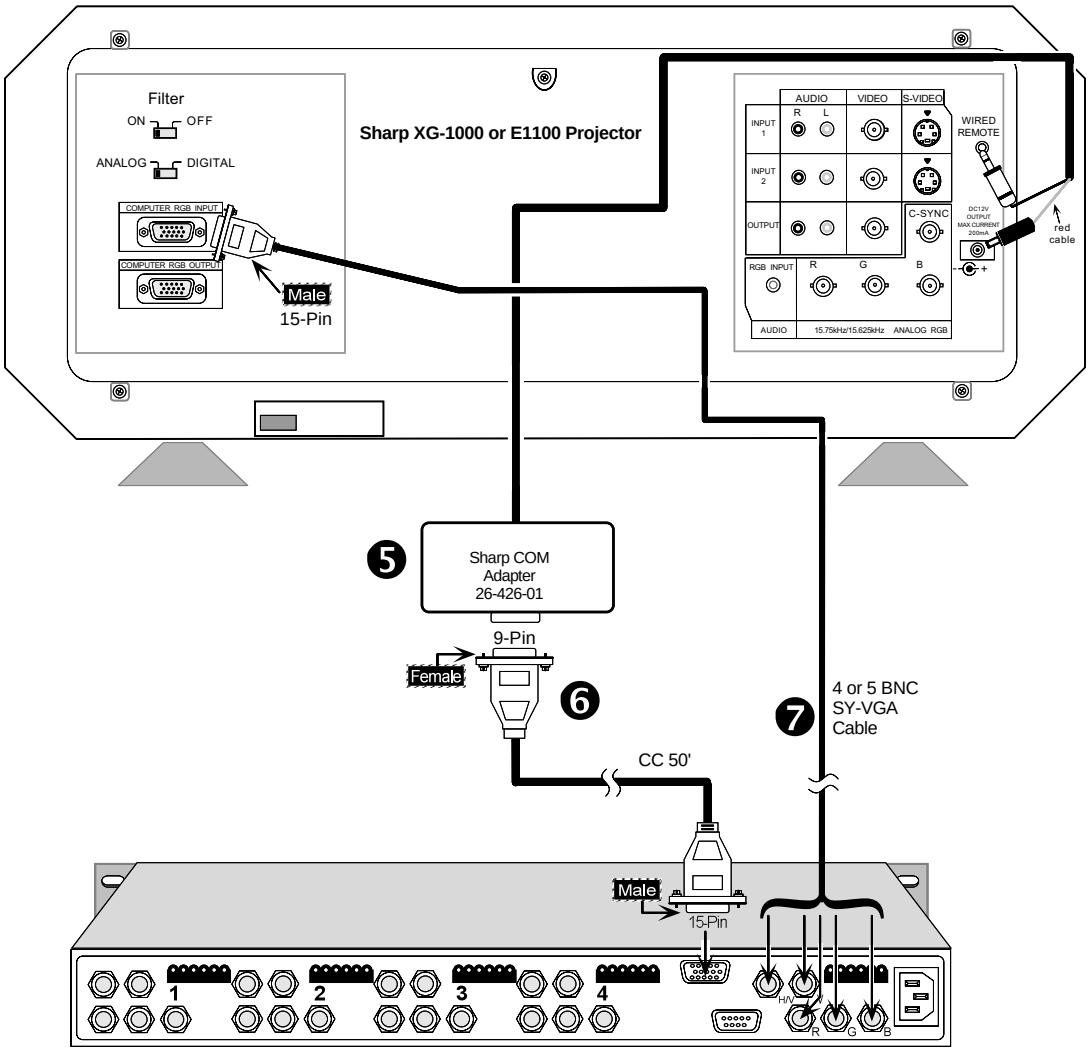
5. The Sharp COM Adapter has one 9-pin male connector that accommodates the Comm Extension cable. It also has one miniphone plug and one power plug. Insert the miniphone plug into the Wired Remote input jack of the projector and insert the power plug into the Aux power port of the projector.
6. Plug the 15-pin HD connector of the Projector Communications Extension cable (shown as CC 50') into the PJ Comm port on the System 4*xi*. The other end has a 9-pin female connector. Plug this into the other 9-pin male D connector on the Sharp COM adapter.

Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) SY-VGA cable onto the System 4*xi* output and those on the other end into the RGB 2 (Computer RGB Input) port of the projector.

System 4*xi* - Sharp XG1000 LCD or E1100 LCD Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Sharp XG1000 or E1100 projector. Refer to Sharp documentation to continue the installation.



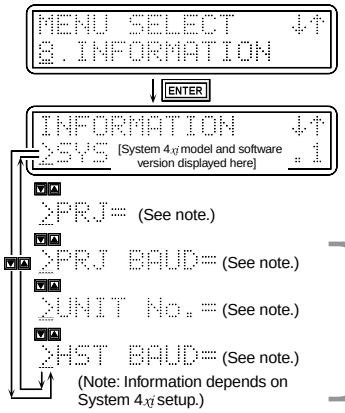
In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.

Connecting System 4*xi* to Sharp XG-E1200U LCD Projector

*Important note! Because the Sharp XG-E1200U projector's Computer Input port requires an RGB signal between VGA and XGA rates, you will **not** be able to install System **4LQxi** with this projector.*

The Main Controller Board configuration for the Sharp XG-E1200U is the same as the standard Sharp XG-series configuration as shown below.

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sharp projector. Apply power to the System 4*xi* and do the following:



   a. Press MENU to display the MENU SELECT on the LCD screen.

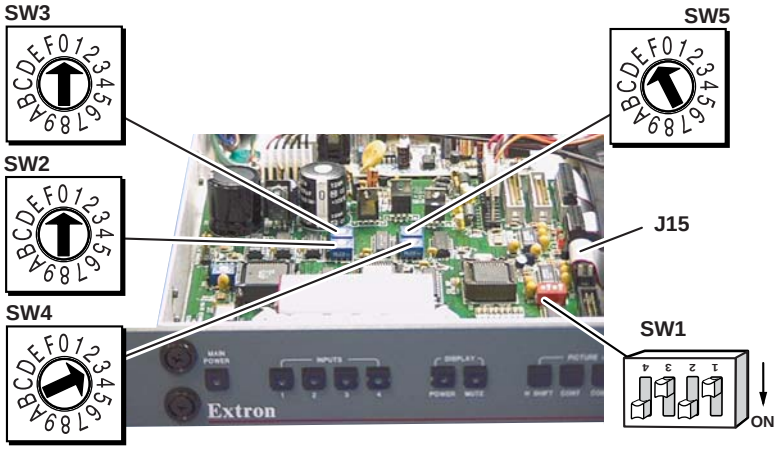
   b. Press ▼ or ▲ to step to Menu 8.

   c. Press ENTER to select this menu.

   d. Press ▼ or ▲ to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
   PRJ = SHARP
   PRJ BAUD = n/a
   UNIT No. = 000
   HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4 Series User's Manual* to remove the System 4*xi* cover and then go to page 2-4 to set up the Main Controller board. Return to Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
	Sharp XG-E1200U	off-on-off-on	0	0	3	F	0	J15	26-426-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.

*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

5. The Sharp COM Adapter has one 9-pin male connector that accommodates the Comm Extension cable. It also has one miniphone plug and one power plug. Insert the miniphone plug into the Wired Remote input jack of the projector and insert the power plug into the DC5V Output port of the projector.

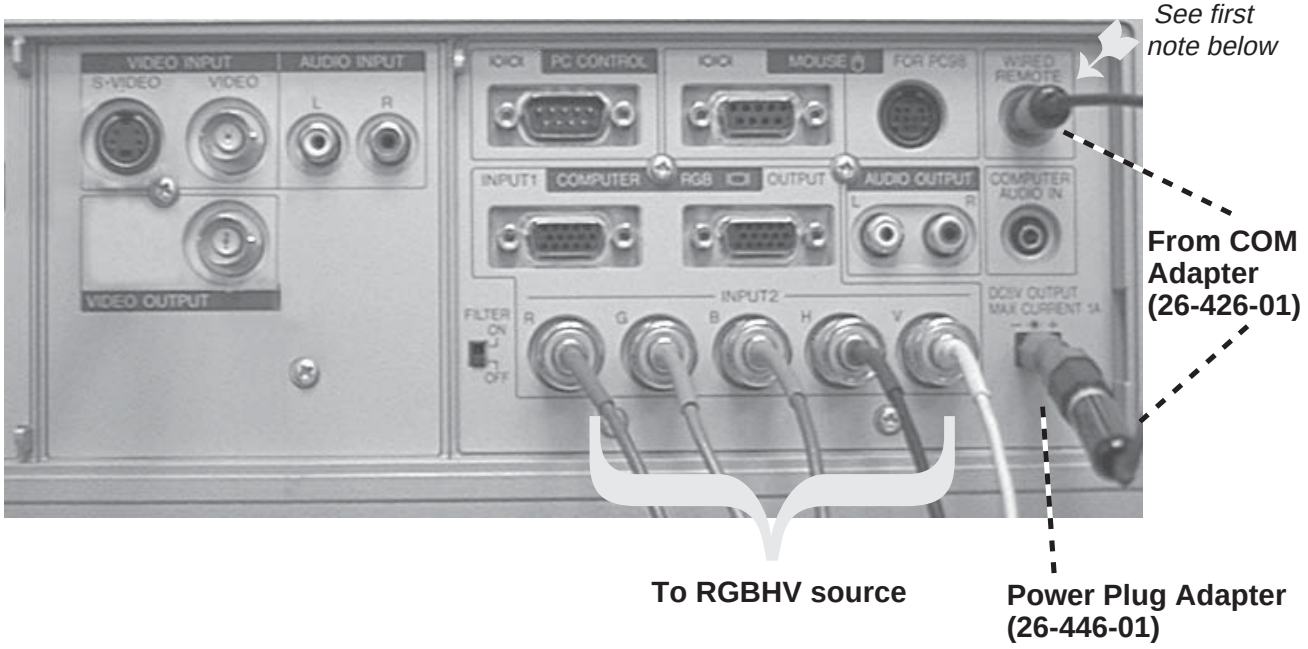
6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4. The other end has a 9-pin female connector. Plug this into the other 9-pin male D connector on the Sharp COM adapter.

Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) BNC-4 or 5 cable onto the System 4*xi* output and those on the other end into the Computer RGB Input port (Input 2) of the projector.

System 4*xi* Series - Sharp XG-E1200U LCD Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Sharp XG-E1200U projector. Refer to Sharp documentation to continue the installation.



When the Wired Remote jack is installed, the projector's IR Receivers are disabled. This jack can be installed or removed at any time. Please perform the basic projector setup before installing the Wired Remote jack.

In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.

Configuring the Projector

Please refer to your Sharp XG-E1200U Operations Manual to set up your projector. Also, in order for the System 4*xi* to know whether the projector is "ON" or "OFF", the projector's 5VDC output jack must be set to "LAMP".

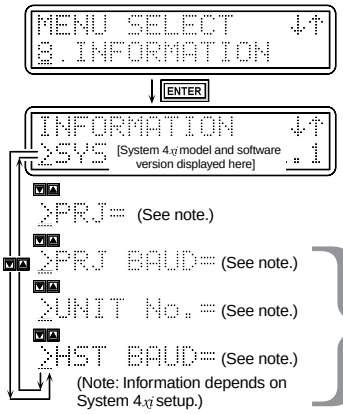
1. Select **MENU**.
2. Select **SYSTEM SETUP**.
3. Select **DC 5V OUTPUT**.
4. Using the ◀ ▶ buttons on the rear of the Sharp XG-E1200U, select **LAMP**.

Connecting System 4*xi* to Sharp NV6

Please follow the steps below to properly install the Sharp NV6 projector.

*Important note! Some Sharp LCD projector Computer Input ports require an RGB signal between VGA and XGA rates. You will **not** be able to install the System **4LQxi** with some projector models. Consult your Sharp manual for maximum input resolution.*

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sharp projector. Apply power to the System 4*xi* and do the following:



a. Press MENU to display the MENU SELECT on the LCD screen.

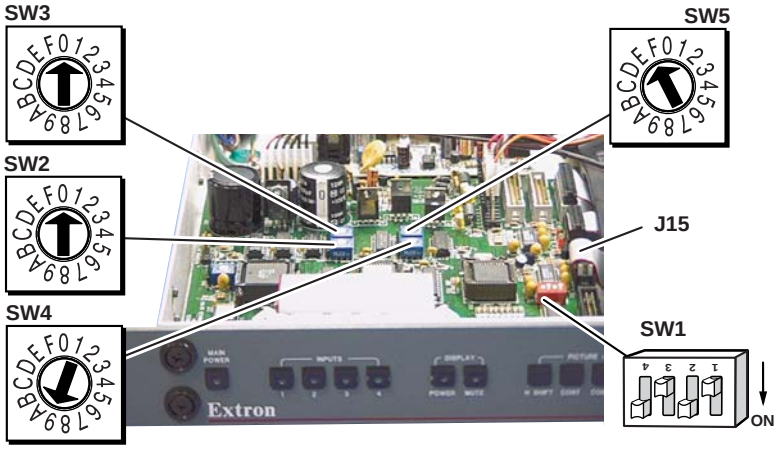
b. Press ▼ or ▲ to step to Menu 8.

c. Press ENTER to select this menu.

d. Press ▼ or ▲ to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
PRJ = SHARP
PRJ BAUD = 9600
UNIT No. = 000
HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4xi Series User's Manual* to remove the System 4*xi* cover. Then go to page 2-4 and refer to the configuration below to set up the Main Controller board. Continue with Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
	Sharp NV6	off-on-off-on	0	0	9	F	1	J15	26-467-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.

*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

5. The Universal Comm Adapter (26-467-01) is a 9-pin D male - 9-pin D female connector that accommodates the Comm Extension cable. Plug the female end of this adapter into the Sharp RS-232C cable which plugs into the RS-232C port of the Sharp projector.

6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4*xi*. The other end of the cable has a 9-pin female connector. Plug this end into the 9-pin male D connector on the Universal Comm adapter.

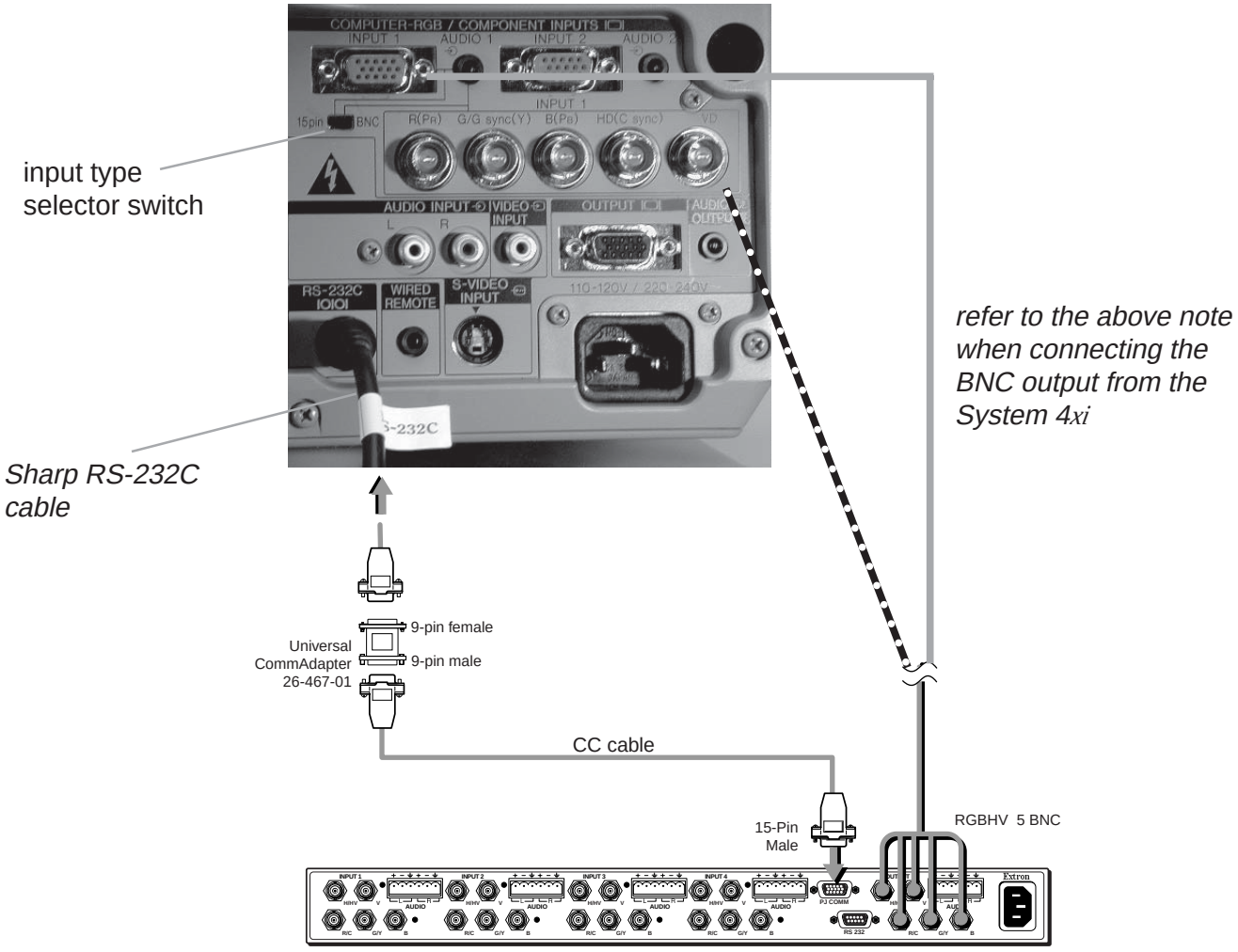
Secure all of the connector screws.

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) BNC-4 or 5 cable onto the System 4*xi* output. If the projector end of the BNC cable has BNC connectors, set the **input type** selector switch (see illustration below) to "BNC" and attach the BNC connectors. If the projector end of the BNC cable has a 15-pin HD connector, set the **input type** selector switch (see illustration below) to "15-pin" and attach the 15-pin connector to the Computer RGB Input 1 port of the projector.

*Important note! When connecting the System 4xi BNC output to either the projector's BNC or 15-pin input (but not both simultaneously), set the projector's **input type** selector switch to the appropriate "BNC" or "15-pin" setting.*

System 4*xi* Series – Sharp NV6 Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Sharp NV6 projector. Refer to Sharp documentation to continue the installation.



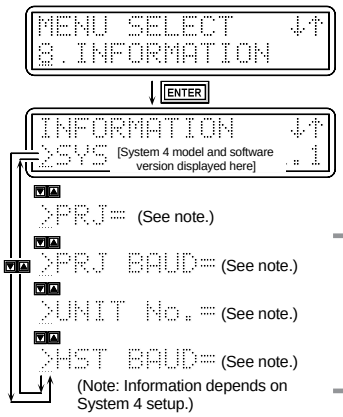
In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.

Connecting System 4*xi* to Sharp NV3

Please follow the steps below to properly install the Sharp NV3 projector.

*Important note! Some Sharp LCD projector Computer Input ports require an RGB signal between VGA and XGA rates. You will **not** be able to install the System **4LQxi** with some projector models. Consult your Sharp manual for maximum input resolution.*

1. Use the Front Panel to display the Information Menu to verify that the System 4*xi* is already set up for the Sharp projector. Apply power to the System 4*xi* and do the following:



   a. Press MENU to display the MENU SELECT on the LCD screen.

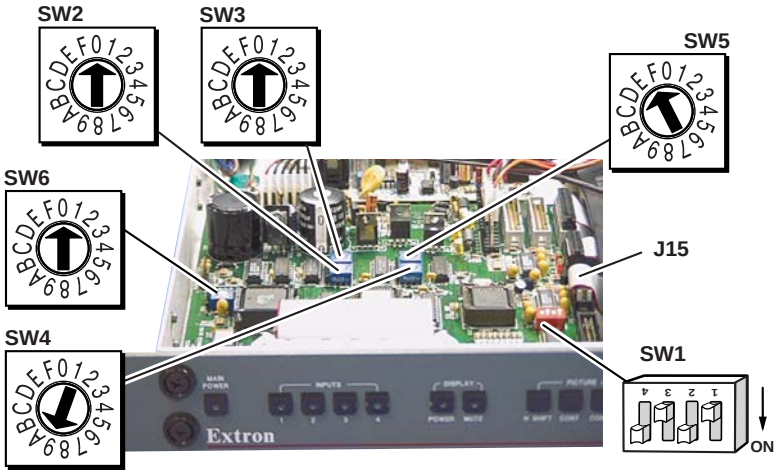
   b. Press ▼ or ▲ to step to Menu 8.

   c. Press ENTER to select this menu.

   d. Press ▼ or ▲ to display the configuration. The example to the left is general, yours will show the System 4*xi* model name, the software version and the following information:
   PRJ = SHARP
   PRJ BAUD = 9600
   UNIT No. = 000
   HST BAUD = 9600 (value depends upon setup Menu 3)

2. Go to the procedure on page 2-3 of the *System 4xi Series User's Manual* to remove the System 4*xi* cover. Then go to page 2-4 and refer to the configuration below to set up the Main Controller board. Continue with Step 3 (below) when the configuration is correct.

Config as	Projector	SW1: 1-2-3-4	SW2	SW3	SW4	SW5	SW6	Prj Cable	Comm Adapter
	Sharp NV3	off-on-off-on	0	0	9	F	0	J15	26-467-01



3. Double-check your work and be sure the System 4*xi* cover is on securely.

4. Install the System 4*xi* in its place of operation (i.e. rack), but **not** powered on.

*Changes in some switch configurations are not detected until the power is removed **at the AC cord**, and then restored.*

5. The Universal Comm Adapter (26-467-01) is a 9-pin D male - 9-pin D female connector that accommodates the Comm Extension cable.

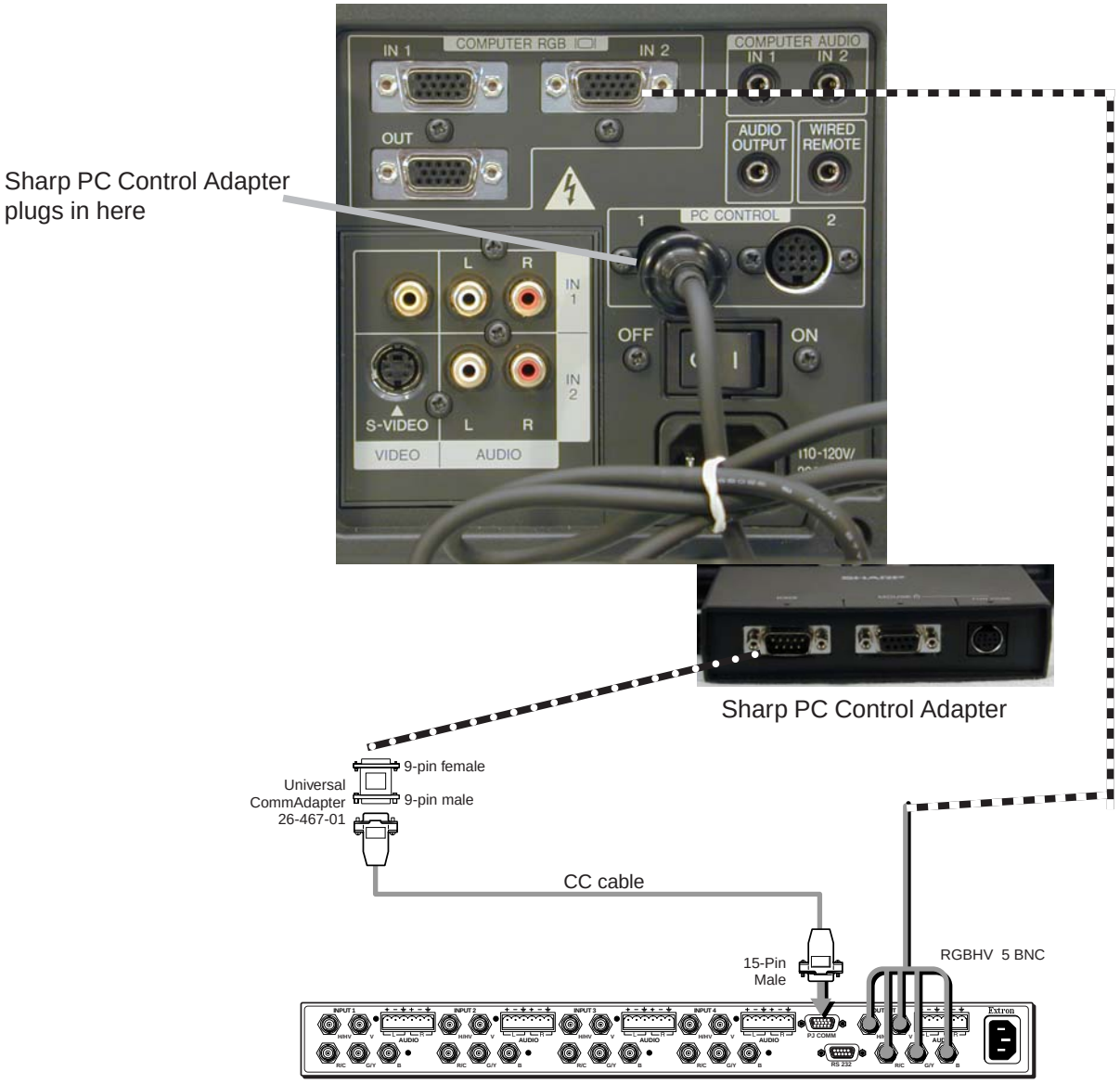
6. Plug the 15-pin HD connector of the Projector Communications Extension cable into the PJ Comm port on the System 4*xi*. The other end of the cable has a 9-pin female connector. Plug this end into the 9-pin male D connector on the Universal Comm adapter. Plug the other end of the Comm adapter into the **IOIOI** port of the Sharp PC Control adapter, as shown below. The Sharp adapter plugs into the projector's PC Control port 1.

_____ *Secure all of the connector screws.*

7. Plug the (4 or 5) BNC connectors from one end of the (user-supplied) BNC-4 or 5 cable onto the System 4*xi* output. Connect the opposite 15-pin male end of the BNC cable to the Computer RGB "IN 2" connector of the projector.

System 4*xi* Series – Sharp NV3 Projector Connections

Use the illustration below as a guide when connecting the System 4*xi* to a Sharp NV3 projector. Refer to Sharp documentation to continue the installation.



△ _____ *In a rack mount, do NOT allow the weight of the cables to be supported by the System 4xi. See page 2-5 for cabling guidelines.*